

Geochemical Mapping Survey of North Dakota: Status Report

10 August 2004

This project, which is part of a nationwide effort to create a detailed geochemical landscape for the continental US, Alaska and Hawaii, is a cooperative effort between the NDGS, the US Geological Survey, the North Dakota Office of the Natural Resources Conservation Service (NRCS), and North Dakota State University (NDSU). As of 9 August 2004 approximately 655 (89%) of the 735 randomly-selected sample sites in the State had been visited by NRCS and NDSU field crews, resulting in the collection of about 1,500 soil samples. Most of the samples that remain to be collected are in the southeastern part of the state (see map). Collection is scheduled to be completed this fall

Approximately 600 of the samples have already been shipped to the USGS for chemical analysis, and the remainder will follow before the end of the year. The full data set, comprising analyses for a suite of approximately 20 chemical elements including arsenic, mercury and selenium is expected to be available about 6 months thereafter.

Among the products that are expected to result from this study is a set of maps showing the statewide distribution of each of these chemical elements.

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10 August 2004

WNH7WMA7	WIB7	WIC7	WID7	WIE7	WIF7	WIG7	WIH7	MA7	MIB7	MIC7	MID7	MIET	MIF7	MIG7	MIH7	DLA7	DLB7	DLC7	DLD7	DLE7	DLF7	DLG7	DLH7	TFAT	TFB7	TCF7	TFB7					
WNH6WMA6	WIB6	WIC6	WID6	WIE6	WIF6	WIG6	WIH6	MA6	MIB6	MIC6	MID6	MIET	MIF6	MIG6	MIH6	DLA6	DLB6	DLC6	DLD6	DLE6	DLF6	DLG6	DLH6	TFAG	TFB6	TCF6	TFB6					
WNH5WMA5	WIB5	WIC5	WID5	WIE5	WIF5	WIG5	WIH5	MA5	MIB5	MIC5	MID5	MIET	MIF5	MIG5	MIH5	DLA5	DLB5	DLC5	DLD5	DLE5	DLF5	DLG5	DLH5	TFAS	TFB5	TCF5	TFB5					
WNH4WMA4	WIB4	WIC4	WID4	WIE4	WIF4	WIG4	WIH4	MA4	MIB4	MIC4	MID4	WIE4	MIF4	MIG4	MIH4	DLA4	DLB4	DLC4	DLD4	DLE4	DLF4	DLG4	DLH4	TFAA	TFB4	TCF4	TFB4					
WNH3WMA3	WIB3	WIC3	WID3	WIE3	WIF3	WIG3	WIH3	MA3	MIB3	MIC3	MID3	WIE3	MIF3	MIG3	MIH3	DLA3	DLB3	DLC3	DLD3	DLE3	DLF3	DLG3	DLH3	TFAB	TFB3	TCF3	TFB3					
WNH2WMA2	WIB2	WIC2	WID2	WIE2	WIF2	WIG2	WIH2	MA2	MIB2	MIC2	MID2	WIE2	MIF2	MIG2	MIH2	DLA2	DLB2	DLC2	DLD2	DLE2	DLF2	DLG2	DLH2	TFAC	TFB2	TCF2	TFB2					
WNH1WMA1	WIB1	WIC1	WID1	WIE1	WIF1	WIG1	WIH1	MA1	MIB1	MIC1	MID1	WIE1	MIF1	MIG1	MIH1	DLA1	DLB1	DLC1	DLD1	DLE1	DLF1	DLG1	DLH1	TFAD	TFB1	TCF1	TFB1					
GN1WCA7	WCB7	WCC7	WCD7	WCE7	WCF7	WCG7	WCH7	WC7	MYA7	MYB7	MYC7	MYD7	MYE7	MYF7	MYG7	MYH7	MYI7	NRA7	NRB7	NRC7	NRD7	NRE7	NRF7	NRG7	NRH7	NRJ7	GFA7	GFB7	GFC7	GFD7	GFE7	
GN1WCA6	WCB6	WCC6	WCD6	WCE6	WCF6	WCG6	WCH6	WC6	MYA6	MYB6	MYC6	MYD6	MYE6	MYF6	MYG6	MYH6	MYI6	NRA6	NRB6	NRC6	NRD6	NRE6	NRF6	NRG6	NRH6	NRJ6	GFA6	GFB6	GFC6	GFD6	GFE6	
GN1WCA5	WCB5	WCC5	WCD5	WCE5	WCF5	WCG5	WCH5	WC5	MYA5	MYB5	MYC5	MYD5	MYE5	MYF5	MYG5	MYH5	MYI5	NRA5	NRB5	NRC5	NRD5	NRE5	NRF5	NRG5	NRH5	NRJ5	GFA5	GFB5	GFC5	GFD5	GFE5	
GN1WCA4	WCB4	WCC4	WCD4	WCE4	WCF4	WCG4	WCH4	WC4	MYA4	MYB4	MYC4	MYD4	MYE4	MYF4	MYG4	MYH4	MYI4	NRA4	NRB4	NRC4	NRD4	NRE4	NRF4	NRG4	NRH4	NRJ4	GFA4	GFB4	GFC4	GFD4	GFE4	
GN1WCA3	WCB3	WCC3	WCD3	WCE3	WCF3	WCG3	WCH3	WC3	MYA3	MYB3	MYC3	MYD3	MYE3	MYF3	MYG3	MYH3	MYI3	NRA3	NRB3	NRC3	NRD3	NRE3	NRF3	NRG3	NRH3	NRJ3	GFA3	GFB3	GFC3	GFD3	GFE3	
GN1WCA2	WCB2	WCC2	WCD2	WCE2	WCF2	WCG2	WCH2	WC2	MYA2	MYB2	MYC2	MYD2	MYE2	MYF2	MYG2	MYH2	MYI2	NRA2	NRB2	NRC2	NRD2	NRE2	NRF2	NRG2	NRH2	NRJ2	GFA2	GFB2	GFC2	GFD2	GFE2	
GN1WCA1	WCB1	WCC1	WCD1	WCE1	WCF1	WCG1	WCH1	WC1	MYA1	MYB1	MYC1	MYD1	MYE1	MYF1	MYG1	MYH1	MYI1	NRA1	NRB1	NRC1	NRD1	NRE1	NRF1	NRG1	NRH1	NRJ1	GFA1	GFB1	GFC1	GFD1	GFE1	
M21DKA7	DKB7	DKC7	DKD7	DKE7	DKF7	DKG7	DKH7	DKI7	BSA7	BSB7	BSC7	BSD7	BSE7	BSF7	BSG7	BSH7	BSI7	JAA7	JAB7	JAC7	JAD7	JAE7	JAF7	JAG7	JAHT	JAHT	JAHT	FAA7	FAB7	FAC7	FAD7	FAET
M21DKA6	DKB6	DKC6	DKD6	DKE6	DKF6	DKG6	DKH6	DKI6	BSA6	BSB6	BSC6	BSD6	BSE6	BSF6	BSG6	BSH6	BSI6	JAA6	JAB6	JAC6	JAD6	JAE6	JAF6	JAG6	JAHT	JAHT	JAHT	FAA6	FAB6	FAC6	FAD6	FAET
M21DKA5	DKB5	DKC5	DKD5	DKE5	DKF5	DKG5	DKH5	DKI5	BSA5	BSB5	BSC5	BSD5	BSE5	BSF5	BSG5	BSH5	BSI5	JAA5	JAB5	JAC5	JAD5	JAE5	JAF5	JAG5	JAHT	JAHT	JAHT	FAA5	FAB5	FAC5	FAD5	FAET
M21DKA4	DKB4	DKC4	DKD4	DKE4	DKF4	DKG4	DKH4	DKI4	BSA4	BSB4	BSC4	BSD4	BSE4	BSF4	BSG4	BSH4	BSI4	JAA4	JAB4	JAC4	JAD4	JAE4	JAF4	JAG4	JAHT	JAHT	JAHT	FAA4	FAB4	FAC4	FAD4	FAET
M21DKA3	DKB3	DKC3	DKD3	DKE3	DKF3	DKG3	DKH3	DKI3	BSA3	BSB3	BSC3	BSD3	BSE3	BSF3	BSG3	BSH3	BSI3	JAA3	JAB3	JAC3	JAD3	JAE3	JAF3	JAG3	JAHT	JAHT	JAHT	FAA3	FAB3	FAC3	FAD3	FAET
M21DKA2	DKB2	DKC2	DKD2	DKE2	DKF2	DKG2	DKH2	DKI2	BSA2	BSB2	BSC2	BSD2	BSE2	BSF2	BSG2	BSH2	BSI2	JAA2	JAB2	JAC2	JAD2	JAE2	JAF2	JAG2	JAHT	JAHT	JAHT	FAA2	FAB2	FAC2	FAD2	FAET
M21DKA1	DKB1	DKC1	DKD1	DKE1	DKF1	DKG1	DKH1	DKI1	BSA1	BSB1	BSC1	BSD1	BSE1	BSF1	BSG1	BSH1	BSI1	JAA1	JAB1	JAC1	JAD1	JAE1	JAF1	JAG1	JAHT	JAHT	JAHT	FAA1	FAB1	FAC1	FAD1	FAET
EXTLMA7	LMB7	LMC7	LMD7	LMET	LMF7	LMG7	LMH7	LMJ7	MTA7	MTB7	MTCT	MTDT	MTET	MTF7	MTG7	MTH7	MTJ7	ABA7	ABB7	ABCT	ABDT	ABET	ABF7	ABG7	ABH7	ABI7	ABJ7	MA7	MB7	MC7	MD7	ME7